

BRUHAT BENGALURU MAHANAGARA PALIKE
STORM WATER DRAIN DASARAHALLI ZONE

MODIFIED ESTIMATE

NAME OF WORK : CONSTRUCTION OF SWD U SHAPE DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY IN WARD NO.12

SL. NO.	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)	
1	2	3	4	5.00	6	7	8	9	10	
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 PWD Bangalore SR 2018-19 Page No.139, Item No.18.19									
	Culvert top Slab (Near Singapura main Road)	Cum	1	30.00	9.00	0.30	81.00			
	Parapet Wall (near Police station)	Cum	1	19.00	0.20	1.00	3.80			
		Cum								
	Total							84.80	1100.00	93280.00
2	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar. MORTH Specification No. 202 (SR 18-19 Item no 18.27 & Page No 140) PWD Bangalore SR 2018-19 (Item no 18.27 & Page No 140)									
	Drain wall Dismatling	Cum								
	Total							0.00	300.00	0.00
3	KSRRB M200-11.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. II. By Mechanical Means: A. In area of light jungle. PWD Bangalore SR 2018-19 Page No.139, Item No.18.16 DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY									
	Cleaning	Sqm								
	Total							0.000	9000.00	0.00
4	Diversion of water course by providing Coffor dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete. - - beyond 1.50 mtrs depth upto & including 3m depth. PWD Bangalore SR 2018-19 Page No.269, Item No.37.41.2 DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY									
	Diversion of water									
	RCC Retaining Wall @ LHS									
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	2	4.5	2.50	1.50	33.75			
	CH: 0.00 to 220.5.(Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	1	220.5	2.50	1.50	826.88			
	CH: 229.5 to 304.35	Cum	1	74.86	2.50	1.50	280.73			
	CH: 319.55 to 378.75	Cum	1	59.2	2.50	1.50	222.00			
	CH: 400.75 to 405.35	Cum	1	4.6	2.50	1.50	17.25			
	CH: 410.15 to 419.65	Cum	1	9.5	2.50	1.50	35.63			

L. NO.	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	CH: 465.65 to 626.1	Cum	1	160.45	2.50	1.50	601.69		
							Total	2213.43	400.00
	Sch-B Quantity Upto 125%							337.41	400.00
	Sch-B Quantity Above 125%							1876.02	457.05
5	"KSRRB M2100-5.2. Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications. "V. Marshy soil - B. Mechanical Means MORTH Specification No. 304								
	PWD Bangalore SR 2018-19 Page No.221, Item No.27.13								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	V. Marshy soil								
	RCC Retaining Wall @ LHS	Cum							
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	1	4.5	10.00	1.45	65.25		
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	1	220.5	8.05	1.50	2662.54		
	CH: 229.5 to 304.35	Cum	1	74.85	7.50	1.30	729.79		
	CH: 319.55 to 378.75	Cum	1	59.2	7.50	1.40	621.60		
	CH: 400.75 to 405.35	Cum	1	4.6	7.50	1.30	44.97		
	CH: 410.15 to 419.65	Cum	1	9.5	8.00	1.35	102.60		
	CH: 419.65 to 465.65	Cum	1	46	10.00	1.10	506.00		
	CH: 465.65 to 626.1	Cum	1	160.45	8.05	1.50	1937.43		
							Total	6670.18	
	Sch-B Quantity Upto 125%							2612.33	200.00
	Sch-B Quantity Above 125%							4057.86	214.93
6	KSSRB M2100-2.1 Earth work in Excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per MORTH specification No.304 B. in Ordinary soil upto 3m depth(By mechanical means)(SR 18-19 Item no 27.4 & Page No 220)								
	PWD Bangalore SR 2018-19 (SR 18-19 Item no 27.4 & Page No 220)								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	Ordinary soil upto 3m								
	RCC Retaining Wall @ LHS	Cum							
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	2	4.5	(3+4.5)/2	5.00	168.75		
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	1	220.5	(4.7+6.5)/2	2.50	3087.00		
	CH: 229.5 to 304.35	Cum	1	74.85	(4.7+6.5)/2	2.50	1047.90		
	CH: 319.55 to 378.75	Cum	1	59.2	(4.7+6.5)/2	2.50	828.80		
	CH: 400.75 to 405.35	Cum	1	4.6	(4.7+6.5)/2	2.50	64.40		
	CH: 410.15 to 419.65	Cum	1	9.5	(4.7+6.5)/2	2.50	133.00		
	CH: 419.65 to 465.65	Cum	1	46	(12.05+10.550)/2	3.00	1559.40		
	Deduction for marshy soil Qty for s-curve culvert	Cum	-1	46	10.00	1.10	-506.00		
	CH: 465.65 to 626.1	Cum	1	160.45	(4.7+6.5)/2	2.50	2246.30		
	Deduction for marshy soil Qty(L-529.1m)	Cum	-1	529.1	5.1	1.505	-4060.69		
	For Approach slab Culvert Extension earth work @ RHS	Cum	1	(35.8+33)/2	(17+21)/2	0.60	392.16		

NO.	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	For Approach slab Culvert Extension earth work @ RHS For bituminous	Cum	1	$(40+45)/2$	$(12+14.5+16.1)/3$	0.60	362.10		
	For Approach slab Culvert Extension earth work @ LHS For Concrete	Cum	1	$((17+20.5)/2)$	$((15+21)/2)$	0.60	202.50		
	For Approach slab Culvert Extension earth work @ LHS For Bituminous	Cum	1	$(6.25+7.5)/2$	14.50	0.60	59.81		
	For Approach slab Culvert Near S - curve earth work @ RHS For Concrete	Cum	1	$(20+15)/2$	10	0.60	105.00		
	For Approach slab Culvert Near S - curve earth work @ RHS For Concrete	Cum	1	20.00	$(1.7+5.0)/2$	0.60	40.20		
	For Approach slab Culvert Near S - curve earth work @ RHS For Bituminous	Cum	1	10.00	10.00	0.60	60.00		
	For Approach slab Culvert Near S - curve earth work @ LHS For Concrete	Cum	1	30.00	10	0.60	180.00		
	For Approach slab Culvert Near S - curve earth work @ LHS For Concrete	Cum	1	28.75	$(4+2.2)/2$	0.60	53.48		
	For Approach slab Culvert Near S - curve earth work @ LHS For Concrete bituminous	Cum	1	10.00	10	0.60	60.00		
	Lead of Drain for Culvert Extension	Cum	1	21.00	1.00	1.00	21.00		
	Lead of Drain for Culvert near s-curve	Cum	1	17.75	1.20	1.20	25.56		
							Total	6130.67	60 367840.20
7	KSRB 2.8 Providing and filling in foundation with granite/trap broken metal of 100 MM and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour charges and with all lead and lift etc complete as per specification and the direction of the Engineer in charge								
	PWD Bangalore SR 2018-19 Page No.7, Item No.2.15								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	granite/trap broken metal of 100 MM								
	RCC Retaining Wall @ LHS	Cum							
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	2	4.5	3.02	0.30	8.15		
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	1	220.5	4.70	0.30	310.91		
	CH: 229.5 to 304.35	Cum	1	74.85	4.70	0.30	105.54		
	CH: 319.55 to 378.75	Cum	1	59.2	4.70	0.30	83.47		
	CH: 400.75 to 405.35	Cum	1	4.6	4.70	0.30	6.49		
	CH: 410.15 to 419.65	Cum	1	9.5	4.70	0.30	13.40		
	CH: 419.65 to 465.65	Cum	1	46	10.50	0.30	144.90		
	CH: 465.65 to 626.1	Cum	1	160.45	4.70	0.30	226.23		
							Total	899.09	2375 2135338.75
8	KSRB 2.8 : Providing and Filling in foundation with granite I trap broken metal 100mm of available boulders with down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS								
	Deduct for 100 mm and down size atone agreeegates for available stone at site after dismantling of SSM								

SL. NO.	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
		Cum					0.00	900.00	0.00
							Total	0.00	
9	KSRRB M2100-13 - Plain Cement Concrete 1:2:4 with OPC cement @ 240 kgs, with 40mm and down size graded granite metal coarse aggregates @0.84 cum and fine aggregates @ 0.56cum, in open foundation including cost of all materials, labour, HOM curing, from works, scaffolding and centring complete as per Specification complete as Drawing and Technical Specifications. MORTH Specification No.1500, 1700 & 2100 PWD Bangalore SR 2018-19 Page No.222, Item No.27.24								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	PCC								
	RCC Retaining Wall @ LHS								
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	2	4.5	3.00	0.15	4.05		
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	1	220.5	4.40	0.15	145.53		
	CH: 229.5 to 304.35	Cum	1	74.85	4.40	0.15	49.40		
	CH: 319.55 to 378.75	Cum	1	59.2	4.40	0.15	39.07		
	CH: 400.75 to 405.35	Cum	1	4.6	4.40	0.15	3.04		
	CH: 410.15 to 419.65	Cum	1	4.6	4.40	0.15	6.27		
	CH: 419.65 to 465.65	Cum	1	9.5	4.40	0.15	70.38		
	CH: 465.65 to 626.1	Cum	1	46	10.20	0.15	105.90		
	For Approach slab Culvert Extension earth work @ RHS For Concrete	Cum	1	(35.8+33)/2	(17+21)/2	0.10	65.36		
	For Approach slab Culvert Extension earth work @ LHS For Concrete	Cum	1	((17+20.5)/2)	((15+21)/2)	0.10	33.75		
	For Approach slab Culvert Extension earth work @ LHS For Concrete	Cum	1	(4.3+3)/2	(6.5+3)/2	0.10	1.73		
	For Approach slab Culvert Near S - curve earth work @ RHS For Concrete	Cum	1	(20+15)/2	10	0.10	17.50		
	For Approach slab Culvert Near S - curve earth work @ RHS For Concrete	Cum	1	20.00	(1.7+5.0)/2	0.10	6.70		
	For Approach slab Culvert Near S - curve earth work @ LHS For Concrete	Cum	1	30.00	10	0.10	30.00		
	For Approach slab Culvert Near S - curve earth work @ LHS For Concrete	Cum	1	28.75	(4+2.2)/2	0.10	8.91		
	Lead of Drain for Culvert Extension @ RHS	Cum	1	21.00	1.00	0.15	3.15		
	Lead of Drain for Culvert near s-curve @ RHS	Cum	1	17.75	1.20	0.15	3.24		
							Total	593.98	5250.00
10	KSRRB M2100-17.2. Providing and laying Plain / Reinforced Cement Concrete design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per Specifications. MORTH Specification No. 1500,1700 & 2100 PWD Bangalore SR 2018-19 Page No.223, Item No.27.29								

SL. No.	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	Raft								
	RCC Retaining Wall @ LHS								
	Rectangular Portion								
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	1	220.5	4.20	0.400	370.44		
	CH: 229.5 to 304.35	Cum	1	74.85	4.20	0.400	125.75		
	CH: 319.55 to 378.75	Cum	1	59.2	4.20	0.400	99.46		
	CH: 400.75 to 405.35	Cum	1	4.6	4.20	0.400	7.73		
	CH: 410.15 to 419.65	Cum	1	9.5	4.20	0.400	15.96		
	CH: 465.65 to 626.1	Cum	1	160.45	4.20	0.400	269.56		
	Rectangular Portion								
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	1	220.5	0.60	0.200	26.46		
	CH: 229.5 to 304.35	Cum	1	74.85	0.60	0.200	8.98		
	CH: 319.55 to 378.75	Cum	1	59.2	0.60	0.200	7.10		
	CH: 400.75 to 405.35	Cum	1	4.6	0.60	0.200	0.55		
	CH: 410.15 to 419.65	Cum	1	9.5	0.60	0.200	1.14		
	CH: 465.65 to 626.1	Cum	1	160.45	0.60	0.200	19.25		
	Triangle Portion								
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	0.5	220.5	2.20	0.200	48.51		
	CH: 229.5 to 304.35	Cum	0.5	74.85	2.20	0.200	16.47		
	CH: 319.55 to 378.75	Cum	0.5	59.2	2.20	0.200	13.02		
	CH: 400.75 to 405.35	Cum	0.5	4.6	2.20	0.200	1.01		
	CH: 410.15 to 419.65	Cum	0.5	9.5	2.20	0.200	2.09		
	CH: 465.65 to 626.1	Cum	0.5	160.45	2.20	0.200	35.30		
	Triangle Portion								
	CH: 0.00 to 220.5 (Culvert @ CH: 220.5 to 229.5 (Good in condition))	Cum	0.5	220.5	1.40	0.200	30.87		
	CH: 229.5 to 304.35	Cum	0.5	74.85	1.40	0.200	10.48		
	CH: 319.55 to 378.75	Cum	0.5	59.2	1.40	0.200	8.29		
	CH: 400.75 to 405.35	Cum	0.5	4.6	1.40	0.200	0.64		
	CH: 410.15 to 419.65	Cum	0.5	9.5	1.40	0.200	1.33		
	CH: 465.65 to 626.1	Cum	0.5	160.45	1.40	0.200	22.46		
	Lead of Drain for Culvert Extension @ RHS	Cum	1	21.00	1.00	0.21	4.37		
	Lead of Drain for Culvert near s-curve @ RHS	Cum	1	17.75	1.20	0.25	5.33		
	Total						1152.55	5400	6223770.00
11	KSRRB M2200-5.12. Providing and laying Design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.7cum and fine aggregates @ 0.47cum, with superplastisier @ 3lts conforming to IS9103-1999 Reaffirmed-2008 - i) Upto 5m height (For Substructure) PWD Bangalore SR 2018-19 Page No.227, Item No.28.7.12 DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY WALL UPTO 5M RCC Retaining Wall @ LHS CH: 0.0 to 62.2 Cum 1 62.5 0.47 5.000 146.41 CH: 62.2 to 84.5 Cum 1 22.3 0.44 5.000 48.84 CH: 84.5 to 168.5 Cum 1 84 0.45 5.000 189.63 CH: 168.5 to 220.5 Cum 1 52 0.44 5.000 114.27								

SL. NO.	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	CH: 319.55 to 378.75	Cum	1	59.2	0.44	5.000	130.98		
	CH: 400.75 to 405.35	Cum	1	4.6	0.44	5.000	10.21		
	CH: 410.15 to 419.65	Cum	1	9.5	0.44	5.000	21.09		
	CH: 465.65 to 477.75	Cum	1	12.1	0.44	5.000	26.32		
	CH: 477.75 to 569.25	Cum	1	91.5	0.45	5.000	207.71		
	CH: 569.25 to 585.75	Cum	1	16.5	0.44	5.000	36.01		
	CH: 585.75 to 597.75	Cum	1	12	0.44	5.000	26.55		
	CH: 597.75 to 615.4	Cum	1	17.65	0.44	5.000	38.52		
	CH: 615.4 to 626.1	Cum	1	10.7	0.43	5.000	23.09		
	CUTT OFF WALL @ RHS	Cum	1	38.5	0.25	0.600	5.78		
	CUTT OFF WALL @ RHS	Cum	1	9.5	0.25	0.600	1.43		
	Lead of Drain for Culvert Extension @	Cum	1	21	0.21	1.00	4.42		
	Lead of Drain for Culvert Extension @	Cum	1	21	0.20	1.80	7.56		
	Lead of Drain for Culvert near s-curve @ RHS	Cum	2	17.75	0.25	1.20	10.65		
	Total						1215.64	5750.00	6989930.00
ERL-1	KSRRB M2200-5.12. Providing and laying Design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregates @ 0.47cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, from works, scaffolding and centring complete as per specifications (SR 18-19 Item no Item no 28.7.18 & Page No-228)								
	- i) Upto 5.00 to 10.00 m height (For Substructure)								
	PWD Bangalore SR 2018-19 Page No.227, Item No.28.7.12								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	WALL 5 TO 10 M								
	CH: 0.0 to 62.2	Cum	1	62.5	0.29	1.650	30.27		
	CH: 62.2 to 84.5	Cum	1	22.3	0.26	0.400	2.35		
	CH: 84.5 to 168.5	Cum	1	84	0.28	1.000	23.23		
	CH: 168.5 to 220.5	Cum	1	52	0.26	0.450	6.19		
	CH: 229.5 to 304.35	Cum	1	74.85	0.27	0.600	12.08		
	CH: 319.55 to 378.75	Cum	1	59.2	0.27	0.550	8.71		
	CH: 400.75 to 405.35	Cum	1	4.6	0.27	0.600	0.74		
	CH: 410.15 to 419.65	Cum	1	9.5	0.27	0.600	1.53		
	CH: 465.65 to 477.75	Cum	1	12.1	0.26	0.300	0.94		
	CH: 477.75 to 569.25	Cum	1	91.5	0.28	1.000	25.68		
	CH: 569.25 to 585.75	Cum	1	16.5	0.26	0.350	1.51		
	CH: 585.75 to 597.75	Cum	1	12	0.27	0.550	1.77		
	CH: 597.75 to 615.4	Cum	1	17.65	0.26	0.350	1.62		
	CH: 615.4 to 626.1	Cum	1	10.7	0.26	0.200	0.55		
	Total						117.17	6974.09	817153.93
12	KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications. MORTH								

	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	PWD Bangalore SR 2018-19 (Item no 28.10 & Page No-229)								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	Weep holes							29.03	
	RCC Retaining Wall @ LHS								
	CH: 0.0 to 62.2	Mtr	1 x 2	32.25	0.450			10.46	
	CH: 62.2 to 84.5	Mtr	1 x 2	11.62	0.450			36.90	
	CH: 84.5 to 168.5	Mtr	1 x 2	41.00	0.450			23.19	
	CH: 168.5 to 220.5	Mtr	1 x 2	25.76	0.450			32.98	
	CH: 229.5 to 304.35	Mtr	1 x 2	36.64	0.450			26.27	
	CH: 319.55 to 378.75	Mtr	1 x 2	29.19	0.450			2.87	
	CH: 400.75 to 405.35	Mtr	1 x 2	3.19	0.450			4.97	
	CH: 410.15 to 419.65	Mtr	1 x 2	5.52	0.450			12.17	
	CH: 419.65 to 465.65	Mtr	2 x 2	6.76	0.450			42.08	
	CH: 465.65 to 477.75	Mtr	1 x 2	46.75	0.450			7.97	
	CH: 477.75 to 569.25	Mtr	1 x 2	8.86	0.450			6.04	
	CH: 569.25 to 585.75	Mtr	1 x 2	6.71	0.450			8.43	
	CH: 585.75 to 597.75	Mtr	1 x 2	9.40	0.45			5.45	
	CH: 597.75 to 615.4	Mtr	1 x 2	6.10	0.45			0.89	
	CH: 615.4 to 626.1	Mtr	1 x 2	1.00	0.45				
							Total	249.70	150.00
									37455.00
13	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker /								
	Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.								
	PWD Bangalore SR 2018-19 (Item no 17.1 & Page No-136)							6670.18	
		Cum	Qty	From Item No- 5				2587.97	
								-226.85	
		Qty	From Item No- 6	Considered 60%					
		cum	Filter media Qty				Total	9031.30	125.00
									1128913.00
14	KSRRB M2600-3. (ii) Providing & fixing 250 mm wide, 20 mm thick compressible fibre board in expansion joint complete as per drawing & Technical Specification including cost of materials, labour, HOM complete as per specifications.								
	MORTH Specification No. 2605								
	PWD Bangalore SR 2018-19 (Item no 31.3 & Page No-244)								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	Expansion joint								
	RCC Retaining Wall @ LHS								
	CH: 0.0 to 4.5 (Culvert Extension)	Mtr	1	12.00				12.00	
	CH: 0.0 to 62.2	Mtr	2	9.70				19.40	
	CH: 62.2 to 84.5	Mtr	1	9.70				9.70	
	CH: 84.5 to 168.5	Mtr	1	9.70				9.70	
	CH: 168.5 to 220.5	Mtr	2	9.70				14.55	
	CH: 229.5 to 304.35	Mtr	2	9.70				19.40	
	CH: 319.55 to 378.75	Mtr	2	9.70				16.49	
	CH: 400.75 to 405.35	Mtr	2	9.70				9.70	
	CH: 410.15 to 419.65	Mtr	1	9.70				9.70	
	CH: 419.65 to 465.65	Mtr	1	9.70				36.00	
	CH: 465.65 to 477.75	Mtr	2	18.00				18.00	
	CH: 477.75 to 569.25	Mtr	1	9.70				18.86	
	CH: 569.25 to 585.75	Mtr	2	9.70				9.70	
	CH: 585.75 to 597.75	Mtr	1	9.70				9.70	

Sl. No.	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	CH: 615.4 to 626.1	Mtr	1	9.70			9.70		
							Total	232.30	100.00 23230.00
15	KSRRB M2200-9. Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, HOM complete as per specifications.MORTH Specification No. 2504.2.2(Item no Item no 28.13 & Page No-229)								
	PWD Bangalore SR 2018-19 (Item no Item no 28.13 & Page No-229)								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	Filter media								
	RCC Retaining Wall @ LHS	Cum							
	CH: 0.0 to 4.5 (Culvert Extension)		2	4.50	0.6	0.6	3.24		
	CH: 0.0 to 62.2		1	62.50	0.6	0.6	22.50		
	CH: 62.2 to 84.5		1	22.30	0.6	0.6	8.03		
	CH: 84.5 to 168.5		1	84.00	0.6	0.6	30.24		
	CH: 168.5 to 220.5		1	52.00	0.6	0.6	18.72		
	CH: 229.5 to 304.35		1	74.85	0.6	0.6	26.95		
	CH: 319.55 to 378.75		1	59.20	0.6	0.6	21.32		
	CH: 400.75 to 405.35		1	4.60	0.6	0.6	1.66		
	CH: 410.15 to 419.65		1	9.50	0.6	0.6	3.42		
	CH: 419.65 to 465.65		2	46.00	0.6	0.6	32.99		
	CH: 465.65 to 477.75		1	12.10	0.6	0.6	4.36		
	CH: 477.75 to 569.25		1	91.50	0.6	0.6	32.94		
	CH: 569.25 to 585.75		1	16.50	0.6	0.6	5.94		
	CH: 585.75 to 597.75		1	12.00	0.6	0.6	4.32		
	CH: 597.75 to 615.4		1	17.65	0.6	0.6	6.36		
	CH: 615.4 to 626.1		1	10.70	0.6	0.6	3.86		
							Total	226.85	1750.00 396987.50
	Culvert								
16	KSRRB M2100-19.2. Providing and laying Plain / Reinforced Cement Concrete in open foundation with OPC design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 complete as per Drawing and Technical Specification including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per Specifications. MORTH Specification No. 1500,1700 & 2100								
	PWD Bangalore SR 2018-19 (Item no 27.33 & Page No-223)								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	Culvert Raft								
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	2	4.50	3.00	0.300	8.10		
			1.0	4.50	2.50	0.300	3.38		
			2.0	4.50	0.50	0.300	1.35		
	CH: 419.65 to 465.65(Culvert @ S-Curve)	Cum	1	46.00	6.45	0.450	133.52		
			1	46.00	5.40	0.450	111.78		
							Total	258.13	5750.00 1484247.50
17	KSRRB M2200-5.15. Providing and laying Design mix M30 with OPC @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5m height (For Substructure)								
	PWD Bangalore SR 2018-19 Page No.228, Item No.27.7.15								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								

	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	2	4.50	0.50	4.15	18.68		
	CH: 419.65 to 465.65(Culvert @ S-Curve)								
	Culvert.Wall @ flow leftside	Cum	1	46.00	0.45	2.30	47.61		
	Haunch	Cum	0.5	46.00	0.30	0.30	2.07		
	Culvert.Wall @ flow center	Cum	1	46.00	0.45	1.85	38.30		
	Culvert.Wall @ flow rightside	Cum	1	46.00	0.45	1.70	35.19		
	Haunch	Cum	0.5	46.00	0.30	0.30	2.07		
	Total						143.92	6000.00	863520.00
18	KSRRB M2300-5.1. Providing and Placing Reinforced / Prestressed cement concrete in Super-Structure as per drawing and Technical Specification complete as per specifications. C. RCC with OPC cement design mix M30 @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008,including cost of materials, labour, HOM, curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 1500,1600 & 1700. Height upto 5 m PWD Bangalore SR 2018-19 Page No.233, Item No.29.9.1 DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	Culvert Slab & Haunch	Cum							
	CH: 0.0 to 4.5 (Culvert Extension)	Cum	1	4.50	11.85	0.60	32.00		
	PARAPET	Cum	1	11.85	0.20	1.20	2.85		
	ADDITIONAL PARAPET	Cum	1	5.00	0.20	1.20	1.20		
	CH: 419.65 to 465.65(Culvert @ S-Curve)	Cum	1	46.00	9.30	0.45	192.51		
	Haunch	Cum	4	46.00	0.30	0.30	16.56		
	PARAPET	Cum	2	9.30	0.20	1.20	4.47		
	Total						249.59	7250.00	1809527.50
19	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.MORTH Specification No.1600 & 2200 TMT Bars Fe 500 (For Sub Structure) PWD Bangalore SR 2018-19 Page No.229, Item No.28.8.2 DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	Raft steel								
	RCC Retaining Wall @ LHS	MT							
	For Consider 102 Kg/cum		1	2485.36	0.102		254.31		
	Culvert Slab & Haunch	MT							
	For Consider 120 Kg/cum		1	402.05	0.120		48.25		
	Total						302.56	88000	26625280.00
20	KSRRB M2300-14. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) including cost of materials, labour, HOM complete as per specifications. MORTH Specification No. 1600 & 2200 -do- TMT Bars Fe 500 (For Super Structure) PWD Bangalore SR 2018-19 Page No.239, Item No.29.29.2 DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								

	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	For Consider 115 Kg/cum	MT	1	249.59	0.115		28.70	90000.00	2583000.00
	Total							28.70	
21	KSRRB M2700-7. Reinforced cement concrete M30 Approach slab including reinforcement @ 70 kg/cum and formwork complete as per drawing and Technical specification including cost of materials, labour, HOM complete as perspecifications.MORTH Specification No.1500, 1600, 1700 & 2704(Item no 32.7 & Page No-247)								
	PWD Bangalore SR 2018-19 (Item no 32.7 & Page No-247)								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	M30 Approach								
	For Approach slab Culvert	Cum	1	(35.8+33)/2	(17+21)/2	0.225	147.06		
	Extension earth work @ RHS								
	For Concrete	Cum	1	((17+20.5)/2)	((15+21)/2)	0.225	75.94		
	For Approach slab Culvert								
	Extension earth work @ LHS								
	For Concrete	Cum	1	(4.3+3)/2	(6.5+3)/2	0.225	3.90		
	For Approach slab Culvert								
	Extension earth work @ LHS								
	For Concrete	Cum	1	(20+15)/2	10	0.225	39.38		
	For Approach slab Culvert Near								
	S - curve earth work @ RHS For								
	Concrete	Cum	1	20.00	(1.7+5.0)/2	0.225	15.08		
	For Approach slab Culvert Near								
	S - curve earth work @ RHS For								
	Concrete	Cum	1	30.00	10	0.225	67.50		
	For Approach slab Culvert Near								
	S - curve earth work @ LHS For								
	Concrete	Cum	1	28.75	(4+2.2)/2	0.225	20.05		
	Total							368.91	
								101.44	11000.00
								267.47	11555.04
	Sch-B Quantity Upto 125%								
	Sch-B Quantity Above 125%								
22	KSRRB M2300-16. Providing and laying Cement concrete wearing coat with OPC cement design mix M30 @ 360 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates@ 0.46cum, and reinforcement at 75 kg/cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of reinforcement complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications. MORTH Specification No. 2702 (Item no 32.8 & Page No 247)								
	PWD Bangalore SR 2018-19 (Item no 32.8 & Page No 247)								
	DRAIN AT ABBIGERE POLICE STATION ROAD TO JUICE FACTORY								
	wearing coat	Cum							
	CH: 0.0 to 4.5 (Culvert	Cum	1	21.00	12.00	0.075	18.90		
	Extension)								
	For Leveling Course @ (Culvert	Cum	1	21.00	12.00	0.067	16.80		
	extension)								
	CH: 419.65 to 465.65(Culvert	Cum	1	46.00	9.30	0.075	32.09		
	@ S-Curve)								
	Total							67.79	
								62.73	11000.00
								5.07	11948.29
	Sch-B Quantity Upto 125%								
	Sch-B Quantity Above 125%								
23	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. With Primer (Item no								

	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	PWD Bangalore SR 2018-19 (Item no 15.51.2 & Page No 119)	Sqm						90.00	0.00
							Total 0.00		
24	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials, labour, HOM complete as per specifications. (Item no 37.2 & Page No-266)								
	PWD Bangalore SR 2018-19 (Item no 37.2 & Page No-266)						2	110.00	
	For Length of 125.00	Mtr	1	55.00			Total 110.00	900.00	99000.00
25	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.(Item no 37.4 & Page No-266)								
	(Item no 27.4 & Page No 219)							375.00	
	For Length of 125.00	Mtr	1 x 3	125.00			Total 375.00	400.00	150000.00
26	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications. (Item no 37.3 & Page No-266)								
	(PWD Bangalore SR 2018-19 Item no 37.3 & Page No-266)	Sqm					2.00	250.00	
	Fencing		1	125.00			Total 250.00	745.00	186250.00
	For Length of 125.00								
ROAD									
ERL-2	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3								
	PWD Bangalore SR 2018-19 (Item no 19.56 & Page No 146)								
	Culvert Extension @ RHS	Sqm	1	(40+45)/2	(12+14.5+16.1)/3			603.50	
								99.69	
	Culvert Extension @ LHS	Sqm	1	(6.25+7.5)/2	14.5			100.00	
	Near S-Curve Culvert @ RHS	Sqm	1	10.00	10			100.00	
	Near S-Curve Culvert @ LHS	Sqm	1	10.00	10				
							Total 903.19	44.40	40104.61
ERL-3	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301								
	PWD Bangalore SR 2018-19 (Item no 19.14 & Page No 143)								
	Culvert Extension @ RHS	Cum	1	(40+45)/2	(12+14.5+16.1)/3	0.6		362.10	
	Culvert Extension @ LHS	Cum	1	(6.25+7.5)/2	14.5	0.6		59.81	

	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
	Near S-Curve Culvert @ LHS	Cum	1	10.00	10	0.6	60.00		
							Total	541.91	46.68
ERL-4	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 PWD Bangalore SR 2018-19 (Item no 20.18 & Page No 155)								
	For Approach slab								
	Culvert Extension @ RHS	cum	1	(35.8+33)/2	(17+21)/2	0.40	261.44		
	Culvert Extension @ LHS	cum	1	((17+20.5)/2)	((15+21)/2)	0.40	135.00		
	Culvert Extension @ LHS	cum	1	(4.3+3)/2	(6.5+3)/2	0.40	6.94		
	Near S - curve Culvert @ RHS	cum	1	(20+15)/2	10	0.30	52.50		
	Near S - curve Culvert @ RHS	cum	1	20.00	(1.7+5.0)/2	0.35	23.45		
	Near S - curve Culvert @ LHS	cum	1	30.00	10	0.40	120.00		
	Near S - curve Culvert @ LHS	cum	1	28.75	(4+2.2)/2	0.35	31.19		
	For Bituminous								
	Culvert Extension @ RHS	Cum	1	(40+45)/2	(12+14.5+16.1)/3	0.30	181.05		
	Culvert Extension @ LHS	Cum	1	(6.25+7.5)/2	14.5	0.30	29.91		
	Near S-Curve Culvert @ RHS	Cum	1	10.00	10	0.30	30.00		
	Near S-Curve Culvert @ LHS	Cum	1	10.00	10	0.30	30.00		
							Total	901.48	2149.57
ERL-5	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision PWD Bangalore SR 2018-19 (Item no 21.6 & Page No 158)								
		Sqm							
	Culvert Extension @ RHS	Sqm	1	(40+45)/2	(12+14.5+16.1)/3		603.50		
	Culvert Extension @ LHS	Sqm	1	(6.25+7.5)/2	14.5		99.69		
	Near S-Curve Culvert @ RHS	Sqm	1	10.00	10		100.00		
	Near S-Curve Culvert @ LHS	Sqm	1	10.00	10		100.00		
							Total	903.19	36.43
ERL-6	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer / tack coat & including lead, lift and cost of all materials, labour, HOM complete as per specifications. Clause 504 of MORTH V revision using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.4% VG-30 Bitumen PWD Bangalore SR 2018-19 (Item no 21.11.6 & Page No 159)								
		Cum							
	Culvert Extension @ RHS	Cum	1	(40+45)/2	(12+14.5+16.1)/3	0.06	36.21		
	Culvert Extension @ LHS	Cum	1	(6.25+7.5)/2	14.5	0.06	5.98		
	Near S-Curve Culvert @ RHS	Cum	1	10.00	10	0.06	6.00		
	Near S-Curve Culvert @ LHS	Cum	1	10.00	10	0.06	6.00		
							Total	54.19	6404.32
									347050.17

	DESCRIPTION OF WORK	UNIT	Nos	L	B	D	QTY	Rate (Rs.)	Amount (Rs.)
ERL-7	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision PWD Bangalore SR 2018-19 (Item no 21.7 & Page No 158)								
		Sqm							
	Culvert Extension @ RHS	Cum	1	(40+45)/2	(12+14.5+16.1)/3		603.50		
	Culvert Extension @ LHS	Cum	1	(6.25+7.5)/2	14.5		99.69		
	Near S-Curve Culvert @ RHS	Cum	1	10.00	10		100.00		
	Near S-Curve Culvert @ LHS	Cum	1	10.00	10		100.00		
	Total						903.19	13.66	12339.88
ERL-8	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II(30 mm to 40 mm) with 5.4% VG-30 Bitumen PWD Bangalore SR 2018-19 (Item no 21.22.6 & Page No 162)								
		Cum							
	Culvert Extension @ RHS	Cum	1	(40+45)/2	(12+14.5+16.1)/3	0.04	24.14		
	Culvert Extension @ LHS	Cum	1	(6.25+7.5)/2	14.5	0.04	3.99		
	Near S-Curve Culvert @ RHS	Cum	1	10.00	10	0.04	4.00		
	Near S-Curve Culvert @ LHS	Cum	1	10.00	10	0.04	4.00		
	Total						36.13	9257.52	334474.11
ERL-9	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 KSRRB 800- Kilometre stone PWD Bangalore SR 2018-19 (Item no 24.15 & Page No 182)								
		Sqm							
	Culvert Extension @ RHS	Sqm	1	(40+45)/2	0.1	0.04	4.25		
	Culvert Extension @ LHS	Sqm	1	(6.25+7.5)/2	0.1	0.04	0.69		
	Near S-Curve Culvert @ RHS	Sqm	1	10.00	0.1	0.04	1.00		
	Near S-Curve Culvert @ LHS	Sqm	1	10.00	0.1	0.04	1.00		
	Total						6.94	488.44	3389.75
ERL-10	Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. PWD Bangalore SR 2018-19 (Item no 22.7 & Page No 176)								
		Sqm							
	Culvert Extension @ RHS		1	34.40	19.00		653.60		
	Culvert Extension @ LHS		1	18.75	18.00		337.50		
	Total						991.10	78.88	78179.86
ERL-11	Providing groove cutting for width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications PWD Bangalore SR 2018-19 (Item no 22.8 & Page No 176)								
		Rmt							
	Culvert Extension @ RHS		23	19.00			437.00		

